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East 6/12/04

L Number	Hits	Search Text	DB	Time stamp
1	0	("sequenc\$4adjvalve").PN.	USPAT;	2004/06/12 11:44
2	2342	sequenc\$4 adj valve	US-PGPUB	2004/06/12 11:44
3	148	sequenc\$4 adj2 valve with brak\$4	USPAT;	2004/06/12 11:47
4	238	(303/50).CCLS.	US-PGPUB	2004/06/12 11:51
5	292	(303/6.01).CCLS.	USPAT;	2004/06/12 11:52
6	271	((303/9.62) or (303/9.75)).CCLS.	US-PGPUB	2004/06/12 11:53
7	5	("3640067" "3749451" "4547967" "5971499" "6089678").PN.	USPAT	2004/06/12 11:57
-	3	"19624548"	USPAT;	2004/06/12 11:43
-	1	1997-282466.NRAN.	US-PGPUB;	
-	1	1997-282466.NRAN.	EPO; JPO;	
-	3	"9721574"	DERWENT	2003/06/20 06:34
-			DERWENT	2003/06/20 06:34
-			USPAT;	2003/06/20 06:38
-	11	"4320390"	US-PGPUB;	
-			EPO; JPO;	
-			DERWENT	2003/06/20 06:38
-	165	303/900.ccls.	USPAT;	
-			US-PGPUB;	2003/07/24 09:46
-			EPO; JPO;	
-	1149	303/6.01-9.76.ccls.	DERWENT	
-	61	303/6.01-9.76.ccls. and (restrictor or choke)	USOCR	2003/07/24 09:49
-	2585	303/6.01-9.76.ccls.	USOCR	2003/07/24 09:49
-	57	303/6.01-9.76.ccls. and throttle	USPAT	2003/11/13 09:11
-	6	188/16,354.ccls. and (choke or restrictor or throttle)	USOCR	2003/07/24 09:51
-	3	188/16,354.ccls. and (choke or restrictor or throttle)	USOCR	2003/07/24 09:52
-	6	188/345.ccls. and (choke or restrictor or throttle)	USPAT	2003/07/24 09:53
-	132	303/6.01-9.76.ccls. and (restrictor or choke or throttle)	USPAT	2003/07/24 10:03
-	2	5662390.URPN.	USPAT	2003/07/24 10:25
-	3	("4640558" "4775196" "5004301").PN.	USPAT	2003/07/24 09:57
-	31	("2173979" "2742982" "2767733" "2805737" "3037522"	USPAT	2003/07/24 09:57
-		"3159176" "3204413" "3283504" "3308798" "3385062"		
-		"3420342" "3439500" "3504948" "3580273" "3760912"		
-		"3941149" "4014410" "4132241" "4373333" "4458711"		
-		"4619287" "4799575" "5178442" "5192120" "5201570"		
-		"5215358" "5219210" "5222787" "5249598" "5251968"		
-		"5350223").PN.		
-	16	188/349.ccls. and (restrictor or choke or throttle)	USPAT	2003/07/24 10:01
-	7	188/349.ccls. and (restrictor or choke or throttle)	USOCR	2003/07/24 10:01
-	7	3677605.URPN.	USPAT	2003/07/24 10:02
-	83719	(brake or braking) adj2 circuit (choke or restrictor or throttle)	USPAT	2003/07/24 10:14
-	60749	(brake or braking) adj2 circuit (choke or restrictor or throttle)	USOCR	2003/07/24 10:12
-	10504	((brake or braking) adj2 circuit (choke or restrictor or throttle))	USPAT	2003/07/24 10:13
-		and (303/\$.ccls. or 188/\$.ccls. or 60/\$.ccls.)		
-	6351	((brake or braking) adj2 circuit (choke or restrictor or throttle))	USOCR	2003/07/24 10:13
-		and (303/\$.ccls. or 188/\$.ccls. or 60/\$.ccls.)		
-	6410	(brake or braking) adj3 circuit (choke or restrictor or throttle)	USPAT	2003/07/24 10:18
-		same first adj3 circuit same second adj3 circuit		
-	4071	(brake or braking) adj3 circuit (choke or restrictor or throttle)	USOCR	2003/07/24 10:16
-		same first adj3 circuit same second adj3 circuit		
-	0	(choke or restrictor or throttle) same first adj (brake or braking)	USOCR	2003/07/24 10:19
-		adj circuit same second adj (brake or braking) adj circuit		
-	1	(choke or restrictor or throttle) same (delay or delayed) and	USPAT	2003/07/24 10:20
-		303/50-54.ccls.		
-	12	(choke or restrictor or throttle) same (delay or delayed) and	USOCR	2003/07/24 10:20
-		303/50-54.ccls.		

-	12	(choke or restrictor or throttle) same first adj (brake or braking) adj circuit same second adj (brake or braking) adj circuit	USPAT	2003/07/24 10:20
-	4	("4509802" "4589511" "4602824" "4648663").PN.	USPAT	2003/07/24 10:21
-	130	(choke or restrictor or throttle) same (delay or delayed) and 303/\$.ccls.	USPAT	2003/07/24 10:25
-	476	(choke or restrictor or throttle) same (delay or delayed or delaying or impede or impeded) same (brake or braking)	USPAT	2003/07/24 10:30
-	13	((choke or restrictor or throttle) same (delay or delayed or delaying or impede or impeded) same (brake or braking)) same front same rear	USPAT	2003/07/24 10:30
-	85	(choke or restrictor or throttle) same (delay or delayed or delaying or impede or impeded) same (brake or braking) same front same rear	USOCR	2003/11/13 09:43
-	21	3431028.URPN.	USPAT	2003/07/24 10:32
-	9561	construction adj (vehicle or truck or machine) or dump adj truck	USPAT; US-PGPUB	2003/11/14 08:52
-	343	(construction adj (vehicle or truck or machine) or dump adj truck) same brak\$4	USPAT; US-PGPUB	2003/11/13 08:02
-	97	((construction adj (vehicle or truck or machine) or dump adj truck) same brak\$4) and (303/\$.ccls. or 188/\$.ccls.)	USPAT; US-PGPUB	2003/11/13 08:10
-	97	((construction adj (vehicle or truck or machine) or dump adj truck) same brak\$4) and (303/\$.ccls. or 188/\$.ccls.)	USPAT; US-PGPUB	2003/11/13 08:13
-	23	("3692366" "4418963" "4861115" "4917443" "5145239" "5294190" "5301769" "5407260" "5443306" "5460434" "5558163" "5632530" "5749633" "5788341" "5816667" "5823636" "5853229" "RE36152" "5895098" "6007160" "6022084" "6149247" "6354671").PN.	USPAT	2003/11/13 08:12
-	230	((large adj (vehicle or truck or machine) or dump adj truck) same brak\$4) and (303/\$.ccls. or 188/\$.ccls.)	USPAT; US-PGPUB	2003/11/13 09:16
-	2596	303/6.01-9.76.ccls.	USPAT	2003/11/13 09:11
-	31	((large adj (vehicle or truck or machine) or dump adj truck) same brak\$4) and (303/\$.ccls. or 188/\$.ccls.)) and 303/6.01-9.76.ccls.	USPAT	2003/11/13 09:11
-	11	((large adj (vehicle or truck or machine) or dump adj truck) same brak\$4) and 303/9.62-9.75.ccls.	USPAT; US-PGPUB	2003/11/13 09:19
-	3	((large adj (vehicle or truck or machine) or dump adj truck) same brak\$4) and 188/349.ccls.	USPAT; US-PGPUB	2003/11/13 09:20
-	858	((large adj (vehicle or truck or machine) or dump adj truck) same brak\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/13 09:20
-	0	((large adj (vehicle or truck or machine) or dump adj truck) same brak\$4) same (limit\$4 or apportion\$4 or proportion\$4) same (hinder\$4 or delay\$4) same pressure	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/13 09:22
-	9	((large adj (vehicle or truck or machine) or dump adj truck) same brak\$4) and (limit\$4 or apportion\$4 or proportion\$4) same (hinder\$4 or delay\$4) same pressure	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/13 09:26
-	5478	(limit\$4 or apportion\$4 or proportion\$4) same (hinder\$4 or delay\$4) same pressure	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/13 09:23
-	24	(limit\$4 or apportion\$4 or proportion\$4) same (hinder\$4 or delay\$4) same pressure same rear same front same circuit	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/13 09:25
-	1	(limit\$4 or apportion\$4 or proportion\$4) same (hinder\$4 or delay\$4) same pressure same dual adj circuits!	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/13 09:25
-	10	((large adj (vehicle or truck or machine) or dump adj truck) same brak\$4) and (limit\$4 or apportion\$4 or proportion\$4) same (hinder\$4 or delay\$4) same pressure	USOCR	2003/11/13 09:28
-	17471	(limit\$4 or apportion\$4 or proportion\$4) same (hinder\$4 or delay\$4) same pressure	USOCR	2003/11/13 09:28
-	1788	(limit\$4 or apportion\$4 or proportion\$4) same (hinder\$4 or delay\$4) same pressure same brak\$4	USOCR	2003/11/13 09:28

-	189	(limit\$4 or apportion\$4 or proportion\$4) same (hinder\$4 or delay\$4) same pressure same brak\$4 same front same rear	USOCR	2003/11/13 09:28
-	48	(limit\$4 or apportion\$4 or proportion\$4) same (hinder\$4 or delay\$4) same pressure same brak\$4 same front same rear same circuit	USOCR	2003/11/13 09:38
-	78	(188/347).CCLS.	USPAT; US-PGPUB	2003/11/13 09:38
-	832	(choke or restrictor or throttle) same (delay or delayed or delaying or impede or impeded) same (brake or braking)	USOCR	2003/11/13 09:43
-	309	(choke or restrictor or throttle) same (delay or delayed or delaying or impede or impeded) same (brake or braking) and (188/\$.ccls. or 303/\$.ccls.)	USOCR	2003/11/13 09:44
-	4	(choke or restrictor or throttle) same (delay or delayed or delaying or impede or impeded) same (brake or braking) and (188/349.ccls. or 303/9.62-9.75.ccls.)	USOCR	2003/11/13 09:53
-	6	(choke or restrictor or throttle) same (delay or delayed or delaying or impede or impeded) same (brake or braking) and (188/349.ccls. or 303/9.62-9.75.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT USOCR	2003/11/13 09:53
-	16	(limit\$4) same (delay or delayed or delaying or impede or impeded) same (brake or braking) and (188/349.ccls. or 303/9.62-9.75.ccls.)		2003/11/13 10:34
-	18	(limit\$4) same (delay or delayed or delaying or impede or impeded) same (brake or braking) and (188/349.ccls. or 303/9.62-9.75.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/13 10:02
-	13	3473849.URPN.	USPAT	2003/11/13 09:59
-	379	(delay or delayed or delaying or impede or impeded or hinder\$4) same (brake or braking) same pressure same (activation or actuation)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/13 10:04
-	88	(delay or delayed or delaying or impede or impeded or hinder\$4) same (brake or braking) same pressure same (activation or actuation) same (axle or circuit)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/13 10:30
-	1128	303/50-54.ccls.	USPAT; US-PGPUB	2003/11/13 10:30
-	3604	(delay or delayed or delaying or impede or impeded or hinder\$4) same (brake or braking) same pressure	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/13 10:30
-	20	((delay or delayed or delaying or impede or impeded or hinder\$4) same (brake or braking) same pressure) and 303/50-54.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/13 10:30
-	115	(delay or delayed or delaying or impede or impeded or hinder\$4) same (brake or braking) same pressure and (188/349.ccls. or 303/9.62-9.75.ccls. or 303/72.ccls.)	USPAT	2003/11/13 10:39
-	57	(delay or delayed or delaying or impede or impeded or hinder\$4) same (brake or braking) same pressure and (188/349.ccls. or 303/9.62-9.75.ccls. or 303/72.ccls.)	USOCR	2003/11/13 10:35
-	2	(US-3612618-\$ or US-3886966-\$).did.	USPAT	2003/11/13 10:44
-	4	(US-3493270-\$ or US-3428367-\$ or US-3418024-\$ or US-3311422-\$).did.	USOCR	2003/11/13 10:44
-	2	(US-3612618-\$ or US-3886966-\$).did.	USPAT	2003/11/13 10:44
-	4	(US-3493270-\$ or US-3428367-\$ or US-3418024-\$ or US-3311422-\$).did.	USOCR	2003/11/13 10:44
-	1	namely.clm. near2 rubber.clm.	USPAT; US-PGPUB	2003/11/13 11:55
-	5	namely.clm. near2 elastomer\$5.clm.	USPAT; US-PGPUB	2003/11/13 11:55
-	1	("3278241").PN.	USPAT; US-PGPUB	2003/11/13 12:40

-	150	("4964676" "4773223" "5293790" "5375483" "5599073" "5178440" "5881858" "5954406" "4261623" "4275617" "4458781" "4481864" "4899278" "4943920" "5188006" "5367922" "5542888" "5582559" "5735506" "6098551" "3885392" "4028658" "4261688" "4267903" "4291789" "4296972" "4299353" "4301896" "4321793" "4327261" "4331185" "4339154" "4346941" "4348864" "4354351" "4373615" "4373424" "4395761" "4417768" "4435020" "4439832" "4467675" "4468583" "4470640" "4474084" "4485695" "4491371" "4528872" "4541820" "4548445").pn. ("4549640" "4559777" "4579200" "4579020" "4595341" "4610139" "4625985" "4627670" "4628691" "4782923" "4783128" "4785926" "4787258" "4787494" "4809565" "4815341" "4815573" "4831892" "4831900" "4838765" "4845951" "4846316"	USPAT; US-PGPUB	2004/06/09 10:36
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-	14	vigholm.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/09 09:15
-	3	time adj delay with surge with brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/09 10:37
-	9	delay with surge with brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/09 10:38
-	38	pressure adj surge with brak\$4	USOCR	2004/06/09 10:39
-	113	pressure adj surge with brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/09 11:11
-	7227	303/50-54.ccls. or 188/152,345-360.ccls. or 303/6.01-9.76.ccls.	USPAT; US-PGPUB	2004/06/09 11:15
-	4897	303/50-54.ccls. or 188/152,345-360.ccls. or 303/6.01-9.76.ccls.	USOCR	2004/06/09 11:16
-	64	(303/50-54.ccls. or 188/152,345-360.ccls. or 303/6.01-9.76.ccls.) and (choke or orifice or restriction or restrictor) with (delay\$4 or slow or dampen or fluctuation or surge or spike)	USOCR	2004/06/09 11:29
-	57	(303/50-54.ccls. or 188/152,345-360.ccls. or 303/6.01-9.76.ccls.) and (choke or orifice or restriction or restrictor) with (delay\$4 or slow or dampen or fluctuation or surge or spike)	USPAT; US-PGPUB	2004/06/09 11:16
-	4	5630656.URPN.	USPAT	2004/06/09 11:17
-	31	("2173979" "2742982" "2767733" "2805737" "3037522" "3159176" "3204413" "3283504" "3308798" "3385062" "3420342" "3439500" "3504948" "3580273" "3760912" "3941149" "4014410" "4132241" "4373333" "4458711" "4619287" "4799575" "5178442" "5192120" "5201570" "5215358" "5219210" "5222787" "5249598" "5251968" "5350223").PN.	USPAT USPAT	2004/06/09 11:18
-	4	2746575.URPN.	USPAT	2004/06/09 11:23
-	260	303/52.ccls.	USPAT; US-PGPUB	2004/06/09 11:27
-	4	303/52.ccls. and limiting adj valve	USPAT; US-PGPUB	2004/06/09 11:29
-	1	303/52.ccls. and (choke or orifice or restriction or restrictor) with (delay\$4 or slow or dampen or fluctuation or surge or spike)	USPAT	2004/06/09 11:29
-	16	303/52.ccls. and (choke or orifice or restriction or restrictor)	USPAT	2004/06/09 11:30
-	33	303/50,54.ccls. and (choke or orifice or restriction or restrictor)	USPAT	2004/06/09 11:31
-	272	(pedal or treadle) with (choke or orifice or restriction or restrictor) with brak\$4	USPAT	2004/06/09 11:31
-	20	(pedal or treadle) with (choke or orifice or restriction or restrictor) with brak\$4 with circuit and (303/\$.ccls. or 188/\$.ccls.)	USPAT	2004/06/09 11:32
-	19	(pedal or treadle) with (choke or orifice or restriction or restrictor) with brak\$4 and 188/345-360.ccls.	USPAT	2004/06/09 11:33
-	160	(pedal or treadle) with (choke or orifice or restriction or restrictor) with brak\$4 and (303/\$.ccls. or 188/\$.ccls.)	USPAT	2004/06/09 11:36
-	260	303/52.ccls.	USPAT	2004/06/09 11:45
-	2	3325224.URPN.	USPAT	2004/06/09 11:37
-	77	188/347.ccls.	USPAT	2004/06/09 11:46

PLUS 6/12/04

Butler, Douglas

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10089936_QUAL.txt



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10089936_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 10089936 on April 19, 2004

Original Classifications

6 477/130
5 475/128
3 303/115.4
2 60/413
2 123/321
2 192/86
2 303/116.1
2 303/117.1
2 303/3
2 303/9.67
2 475/59
2 477/125
2 477/136
2 477/143
2 477/153
2 477/61
2 477/98
2 701/79

Cross-Reference Classifications

7 477/906
6 477/131
6 477/155
5 188/349
5 475/123
5 475/129
4 475/120
4 475/128
4 477/143
4 477/154
4 477/158
3 74/606R
3 192/85AA
3 303/122.13
3 303/71
3 475/146
3 477/126
3 477/98
2 60/456
2 60/589
2 91/431
2 137/596.17
2 188/196A
2 188/264D
2 188/344
2 188/345
2 188/358
2 188/72.4
2 192/109F
2 192/87.13
2 192/87.19
2 251/11
2 303/10
2 303/116.1

10089936_CLS

2 303/119.2
2 303/122
2 303/61
2 475/125
2 475/159
2 477/120
2 477/125
2 477/128
2 477/130
2 477/133
2 477/156
2 477/175
2 701/67

Combined Classifications

9 475/128
8 477/130
7 477/131
7 477/906
6 475/123
6 475/129
6 477/143
6 477/155
5 188/349
5 477/98
4 303/115.4
4 303/116.1
4 475/120
4 477/125
4 477/154
4 477/158
3 60/456
3 74/606R
3 123/321
3 192/85AA
3 303/119.2
3 303/122.13
3 303/71
3 475/146
3 477/126
3 477/153
3 477/156
3 701/79
2 60/413
2 60/422
2 60/562
2 60/589
2 74/730.1
2 91/431
2 137/596.17
2 180/247
2 188/196A
2 188/264D
2 188/344
2 188/345
2 188/351
2 188/358
2 188/72.4
2 192/109F

10089936_CLS

2 192/86
2 192/87.13
2 192/87.19
2 251/11
2 303/10
2 303/114.1
2 303/117.1
2 303/122
2 303/3
2 303/52
2 303/61
2 303/9.67
2 475/125
2 475/148
2 475/159
2 475/59
2 477/114
2 477/120
2 477/128
2 477/133
2 477/134
2 477/136
2 477/175
2 477/61
2 477/93
2 701/51
2 701/62
2 701/67

10089936_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10089936 on April 19, 2004

- 9 475/128 (5 OR, 4 XR)
 Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR
 COMPONENTS
 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING
 475/116 .Fluid controlled mechanical clutch or brake
 475/127 ..Pressure regulation
 475/128 ...Valving controls shift timing
- 8 477/130 (6 OR, 2 XR)
 Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
 INCLUDING ENGINE CONTROL
 477/34 TRANSMISSION CONTROL
 477/115 .Transmission controlled by engine
 477/121 ..By input manifold pressure or engine fuel
 control
 477/127 ...Shift valve control
 477/130Plural shift valves
- 7 477/131 (1 OR, 6 XR)
 Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
 INCLUDING ENGINE CONTROL
 477/34 TRANSMISSION CONTROL
 477/115 .Transmission controlled by engine
 477/121 ..By input manifold pressure or engine fuel
 control
 477/127 ...Shift valve control
 477/130Plural shift valves
 477/131Electric control
- 7 477/906 (0 OR, 7 XR)
 Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
 INCLUDING ENGINE CONTROL
 477/906 MEANS DETECTING OR AMELIORATING THE EFFECTS OF
 MALFUNCTION OR POTENTIAL MALFUNCTION
- 6 475/123 (1 OR, 5 XR)
 Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR
 COMPONENTS
 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING
 475/116 .Fluid controlled mechanical clutch or brake
 475/118 ..Speed responsive control
 475/121 ...Ratio change
 475/122Speed responsive valve control
 475/123Electrical control
- 6 475/129 (1 OR, 5 XR)
 Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR
 COMPONENTS
 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING
 475/116 .Fluid controlled mechanical clutch or brake
 475/127 ..Pressure regulation
 475/128 ...Valving controls shift timing
 475/129With fluid accumulator
- 6 477/143 (2 OR, 4 XR)

10089936_CLSTITLES

- Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL
- 477/34 TRANSMISSION CONTROL
- 477/115 .Transmission controlled by engine
- 477/121 ..By input manifold pressure or engine fuel
control
- 477/143 ...Servo motor timing
- 6 477/155 (0 OR, 6 XR)
- Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL
- 477/34 TRANSMISSION CONTROL
- 477/115 .Transmission controlled by engine
- 477/121 ..By input manifold pressure or engine fuel
control
- 477/143 ...Servo motor timing
- 477/155Electric valve control
- 5 188/349 (0 OR, 5 XR)
- Class 188 : BRAKES
- 188/381 FRICTIONAL VIBRATION DAMPER
- 188/151R .Fluid pressure
- 188/152 ..Road vehicle
- 188/349 ...With front rear brake apportioner
- 5 477/98 (2 OR, 3 XR)
- Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL
- 477/34 TRANSMISSION CONTROL
- 477/97 .Control by sensed ambient condition, pattern
indicia, external signal, or temperature
- 477/98 ..Temperature control
- 4 303/115.4 (3 OR, 1 XR)
- Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
- 303/121 SPEED-CONTROLLED
- 303/113.1 .Having a valve system responsive to a wheel
lock signal
- 303/115.1 ..System controlled by expansible chamber type
modulator
- 303/115.4 ...Having pump pressure control
- 4 303/116.1 (2 OR, 2 XR)
- Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
- 303/121 SPEED-CONTROLLED
- 303/113.1 .Having a valve system responsive to a wheel
lock signal
- 303/116.1 ..Including pump with system solenoid valve
- 4 475/120 (0 OR, 4 XR)
- Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR
COMPONENTS
- 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING
- 475/116 .Fluid controlled mechanical clutch or brake
- 475/118 ..Speed responsive control
- 475/120 ...Pressure control

- 4 477/125 (2 OR, 2 XR)
- Class 477 : INTERRELATED POWER DELIVERY CONTROLS,

10089936 CLSTITLES

INCLUDING ENGINE CONTROL

477/34 TRANSMISSION CONTROL

477/115 .Transmission controlled by engine

477/121 ..By input manifold pressure or engine fuel control

477/125 ...Prevents unsafe or unintentional shift

4 477/154 (0 OR, 4 XR)

Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL

477/34 TRANSMISSION CONTROL

477/115 .Transmission controlled by engine

477/121 ..By input manifold pressure or engine fuel control

477/143 ...Servo motor timing

477/154Speed responsive control

4 477/158 (0 OR, 4 XR)

Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL

477/34 TRANSMISSION CONTROL

477/115 .Transmission controlled by engine

477/121 ..By input manifold pressure or engine fuel control

477/156 ...Transmission pressure controlled

477/158Line pressure controlled

3 60/456 (1 OR, 2 XR)

Class 060 : POWER PLANTS

60/325 PRESSURE FLUID SOURCE AND MOTOR

60/456 .Having distinct cooling or lubricating structure

3 74/606R (0 OR, 3 XR)

Class 074 : MACHINE ELEMENT OR MECHANISM

74/469 CONTROL LEVER AND LINKAGE SYSTEMS

74/606R .Gear casings

3 123/321 (2 OR, 1 XR)

Class 123 : INTERNAL-COMBUSTION ENGINES

123/319 ENGINE SPEED REGULATOR

123/320 .Responsive to deceleration mode (e.g., engine acting as a brake)

123/321 ..Valve timing altering means (e.g., axially sliding cam shaft)

3 192/85AA (0 OR, 3 XR)

Class 192 : CLUTCHES AND POWER-STOP CONTROL

192/30R CLUTCHES

192/82R .Operators

192/85R ..Fluid pressure

192/85AA ...Axially engaging clamping rotating motor and clutch

3 303/119.2 (1 OR, 2 XR)

Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS

303/121 SPEED-CONTROLLED

303/113.1 .Having a valve system responsive to a wheel lock signal

10089936_CLSTITLES

- 303/119.1 ..System controlled by solenoid valve
- 303/119.2 ...System solenoid valve detail

- 3 303/122.13 (0 OR, 3 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/122 .With failure responsive means
 - 303/122.09 ..Pressure failure
 - 303/122.13 ...Auxiliary pressure failure

- 3 303/71 (0 OR, 3 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/50 MOTORMAN'S VALVES
 - 303/68 .Motor
 - 303/71 ..Fluid-pressure retracting

- 3 475/146 (0 OR, 3 XR)
 - Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS
 - 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING
 - 475/116 .Fluid controlled mechanical clutch or brake
 - 475/146 ..Fluid motor structure

- 3 477/126 (0 OR, 3 XR)
 - Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL
 - 477/34 TRANSMISSION CONTROL
 - 477/115 .Transmission controlled by engine
 - 477/121 ..By input manifold pressure or engine fuel control
 - 477/125 ...Prevents unsafe or unintentional shift
 - 477/126Reverse inhibitor

- 3 477/153 (2 OR, 1 XR)
 - Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL
 - 477/34 TRANSMISSION CONTROL
 - 477/115 .Transmission controlled by engine
 - 477/121 ..By input manifold pressure or engine fuel control
 - 477/143 ...Servo motor timing
 - 477/153Double acting servo

- 3 477/156 (1 OR, 2 XR)
 - Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL
 - 477/34 TRANSMISSION CONTROL
 - 477/115 .Transmission controlled by engine
 - 477/121 ..By input manifold pressure or engine fuel control
 - 477/156 ...Transmission pressure controlled

- 3 701/79 (2 OR, 1 XR)
 - Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
 - 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
 - 701/70 .Indication or control of braking, acceleration, or deceleration

10089936_CLSTITLES

701/71 ..Antiskid, antilock, or brake slip control
 701/78 ...Control of brake pressure
 701/79 ...Having speed variation responsive means
 (e.g., acceleration, deceleration)

2 60/413 (2 OR, 0 XR)
 Class 060 : POWER PLANTS
 60/325 PRESSURE FLUID SOURCE AND MOTOR
 60/413 .With control means for structure storing work
 driving energy (e.g., accumulator, etc.)

2 60/422 (1 OR, 1 XR)
 Class 060 : POWER PLANTS
 60/325 PRESSURE FLUID SOURCE AND MOTOR
 60/420 .Having condition responsive control in a
 system of distinct or separately operable outputs or out
 put
 drive units
 60/422 ..Independently actuatable outputs with
 condition responsive means insuring sufficiency of feed o
 f
 motive fluid

2 60/562 (1 OR, 1 XR)
 Class 060 : POWER PLANTS
 60/325 PRESSURE FLUID SOURCE AND MOTOR
 60/533 .Pulsator
 60/562 ..Master piston of one pulsator circuit drives
 master piston of a parallel circuit through a resilient,
 fluid or lost motion connection

2 60/589 (0 OR, 2 XR)
 Class 060 : POWER PLANTS
 60/325 PRESSURE FLUID SOURCE AND MOTOR
 60/533 .Pulsator
 60/585 ..Holder for reserve liquid feeds master
 60/589 ...Master piston or its actuator mechanically
 operates valve between holder and master cylinder

2 74/730.1 (1 OR, 1 XR)
 Class 074 : MACHINE ELEMENT OR MECHANISM
 74/640 GEARING
 74/730.1 .With fluid drive

2 91/431 (0 OR, 2 XR)
 Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE
 91/418 WITH MOTIVE FLUID VALVE
 91/431 .Continuous motive fluid flow through chamber
 in motor idle condition

2 137/596.17 (0 OR, 2 XR)
 Class 137 : FLUID HANDLING
 137/561R SYSTEMS
 137/596 .Supply and exhaust
 137/596.17 ..Motor

2 180/247 (1 OR, 1 XR)
 Class 180 : MOTOR VEHICLES
 180/233 HAVING FOUR WHEELS DRIVEN

10089936_CLSTITLES

- 180/247 .With manually operated means for disengaging
drive to one or more, but fewer than all, of the four
wheels
- 2 188/196A (0 OR, 2 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/196R .Slack
188/196A ..Fluid
- 2 188/264D (0 OR, 2 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/264R .Cooling and lubricating
188/264D ..Liquid cool
- 2 188/344 (0 OR, 2 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/151R .Fluid pressure
188/152 ..Road vehicle
188/344 ...Velocipede
- 2 188/345 (0 OR, 2 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/151R .Fluid pressure
188/152 ..Road vehicle
188/345 ...With multiple master cylinders
- 2 188/351 (1 OR, 1 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/151R .Fluid pressure
188/152 ..Road vehicle
188/351 ...With hydraulic automatic slack adjuster
- 2 188/358 (0 OR, 2 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/151R .Fluid pressure
188/152 ..Road vehicle
188/355 ...With nonmanual fluid-power source
188/358Liquid power
- 2 188/72.4 (0 OR, 2 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/72.1 ..With means for actuating brake element
188/72.4 ...By fluid pressure piston
- 2 192/109F (0 OR, 2 XR)
Class 192 : CLUTCHES AND POWER-STOP CONTROL
192/30R CLUTCHES
192/109R .Thrust members, retarders, and stops
192/109F ..Cushioning devices for fluid operators

10089936_CLSTITLES

- 2 192/86 (2 OR, 0 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES
 192/82R .Operators
 192/85R ..Fluid pressure
 192/86 ...Double acting
- 2 192/87.13 (0 OR, 2 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES
 192/82R .Operators
 192/85R ..Fluid pressure
 192/87.1 ...Multiple clutches
 192/87.11Having independent operators
 192/87.13With selective distributor for fluid pressure
- 2 192/87.19 (0 OR, 2 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES
 192/82R .Operators
 192/85R ..Fluid pressure
 192/87.1 ...Multiple clutches
 192/87.14Alternatively operative clutches
 192/87.18With selective distributor for fluid pressure
 192/87.19Having neutral position
- 2 251/11 (0 OR, 2 XR)
 Class 251 : VALVES AND VALVE ACTUATION
 251/11 HEAT OR BUOYANCY MOTOR ACTUATED
- 2 303/10 (0 OR, 2 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/10 WITH PUMP
- 2 303/114.1 (1 OR, 1 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/121 SPEED-CONTROLLED
 303/113.1 .Having a valve system responsive to a wheel lock signal
 303/114.1 ..Including hydraulic power booster
- 2 303/117.1 (2 OR, 0 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/121 SPEED-CONTROLLED
 303/113.1 .Having a valve system responsive to a wheel lock signal
 303/117.1 ..Spool valve
- 2 303/122 (0 OR, 2 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/121 SPEED-CONTROLLED
 303/122 .With failure responsive means
- 2 303/3 (2 OR, 0 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/2 MULTIPLE SYSTEMS
 303/3 .Fluid pressure and electric

10089936_CLSTITLES

- 2 303/52 (1 OR, 1 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/50 MOTORMAN'S VALVES
 303/52 .Multiple motors
- 2 303/61 (0 OR, 2 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/50 MOTORMAN'S VALVES
 303/61 .Intermittent
- 2 303/9.67 (2 OR, 0 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/5 MULTIPLE FLUID-RECEIVING DEVICES
 303/6.01 .Multiple motors
 303/9.62 ..Apportioning control
 303/9.67 ...Inertia
- 2 475/125 (0 OR, 2 XR)
 Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR
 COMPONENTS
 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING
 475/116 .Fluid controlled mechanical clutch or brake
 475/125 ..Torque responsive control
- 2 475/148 (1 OR, 1 XR)
 Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR
 COMPONENTS
 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING
 475/116 .Fluid controlled mechanical clutch or brake
 475/146 ..Fluid motor structure
 475/148 ...With one-way device
- 2 475/159 (0 OR, 2 XR)
 Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR
 COMPONENTS
 475/159 WITH LUBRICATON
- 2 475/59 (2 OR, 0 XR)
 Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR
 COMPONENTS
 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING
 475/59 .Impeller-turbine type fluid circuit in series
 with planetary gearing
- 2 477/114 (1 OR, 1 XR)
 Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
 INCLUDING ENGINE CONTROL
 477/34 TRANSMISSION CONTROL
 477/114 .Anticreep
- 2 477/120 (0 OR, 2 XR)
 Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
 INCLUDING ENGINE CONTROL
 477/34 TRANSMISSION CONTROL
 477/115 .Transmission controlled by engine
 477/120 ..By acceleration
- 2 477/128 (0 OR, 2 XR)

10089936_CLSTITLES

Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL

477/34 TRANSMISSION CONTROL

477/115 .Transmission controlled by engine

477/121 ..By input manifold pressure or engine fuel
control

477/127 ...Shift valve control

477/128Hysteresis

2 477/133 (0 OR, 2 XR)

Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL

477/34 TRANSMISSION CONTROL

477/115 .Transmission controlled by engine

477/121 ..By input manifold pressure or engine fuel
control

477/127 ...Shift valve control

477/130Plural shift valves

477/131Electric control

477/132Downshift control

477/133Kickdown

2 477/134 (1 OR, 1 XR)

Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL

477/34 TRANSMISSION CONTROL

477/115 .Transmission controlled by engine

477/121 ..By input manifold pressure or engine fuel
control

477/127 ...Shift valve control

477/130Plural shift valves

477/131Electric control

477/134Selector valve overrule

2 477/136 (2 OR, 0 XR)

Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL

477/34 TRANSMISSION CONTROL

477/115 .Transmission controlled by engine

477/121 ..By input manifold pressure or engine fuel
control

477/127 ...Shift valve control

477/130Plural shift valves

477/135Downshift control

477/136Kickdown

2 477/175 (0 OR, 2 XR)

Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL

477/166 CLUTCH CONTROL

477/174 .Condition responsive control

477/175 ..Speed responsive

2 477/61 (2 OR, 0 XR)

Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL

477/34 TRANSMISSION CONTROL

477/52 .Including fluid drive

477/53 ..Impeller-turbine-type

10089936_CLSTITLES

477/61 ...Control responsive to fluid drive

2 477/93 (1 OR, 1 XR)
Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
 INCLUDING ENGINE CONTROL
477/34 TRANSMISSION CONTROL
477/92 .With brake control
477/93 ..Anti-creep

2 701/51 (1 OR, 1 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
701/51 .Transmission control

2 701/62 (1 OR, 1 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
701/51 .Transmission control
701/62 ..Fail-safe control (e.g., preventing a gear
 shift)

2 701/67 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
701/67 .Clutch control